BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drains at Ramachandrapura, Patel Pillegowda Layout and Surrounding area in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Di...

Estimated Cost : Rs. 70.00 Lakhs

Head of Account : P-3601

Job Code: 010-20-000034

Name of Agency: Sri Aswathnarayana, # 38, Chanappa Layout, Sharadhamabanagar, Jalahalli Village, Bangalore – 13.

Work order No: BBMP/EE/BTP/WO/228/2019-20 D: 17.03.2020.

Sl No.	Measurements Recarded on : Date: 18/03/2020. Description	No.	L	B	D	Qty	Rate
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.						Cum
	Patel Pillegowda layout 2nd Main Road E/S	1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	8.00	1.00	1.00	8.00	
	Patel Pillegowda layout 2nd Main Road W/S	1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	8.10	1.00	1.00	8.10	
	Chamundeswari Layout 6th Main Road	1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	29.50	1.00	1.00	29.50	
	Nanjappa Layout 2nd Cross R/S	1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	15.20	1.00	1.00	15.20	
		1	30.00	1.00	1.00	30.00	
		1	30.00	1.00	1.00	30.00	
		1	14.90	1.00	1.00	14.90	
	Cross Road	1	30.00	1.00	1.00	30.00	
		1	16.50	1.00	1.00	16.50	
	Culverts						

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

Sl No.	Description	No.	L	B	D	Qty	Rate
	R. Chandrappa Layout	1	5.50	1.80	1.20	11.88	
		1	5.70	1.80	1.20	12.31	
	3rd Cross	1	5.40	1.80	1.20	11.66	
	4th Cross	1	5.50	1.80	1.20	11.88	
	5th Cross	1	5.60	1.80	1.20	12.10	
						812.03	
						811.40	Cum

Sunitha .N K 18/02/2020.
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No.	Description	No.	L	B	D	Qty	Rate
	Measurements Recarded on : Date: 20/03/2020.						
2	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						Cum
	Bottom Concrete						
	Patel Pillegowda layout 2nd Main Road E/S	1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	8.00	1.00	0.15	1.20	
	Patel Pillegowda layout 2nd Main Road W/S	1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	8.10	1.00	0.15	1.22	
	Chamundeswari Layout 6th Main Road	1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	29.50	1.00	0.15	4.43	
	Nanjappa Layout 2nd Cross R/S	1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	15.20	1.00	0.15	2.28	
		1	30.00	1.00	0.15	4.50	
		1	30.00	1.00	0.15	4.50	
		1	14.90	1.00	0.15	2.24	
	Cross Road	1	30.00	1.00	0.15	4.50	
		1	16.50	1.00	0.15	2.48	
	Culverts						
	R. Chandrappa Layout	1	5.50	1.80	0.15	1.49	
		1	5.70	1.80	0.15	1.54	
	3rd Cross	1	5.40	1.80	0.15	1.46	
	4th Cross	1	5.50	1.80	0.15	1.49	
	5th Cross	1	5.60	1.80	0.15	1.51	
						120.31	
						120.23	Cum

Assistant Engineer 20/03/2020.
Ward No. 10

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Sl No.	Description	No.	L	B	D	Qty	Rate
	Measurements Recarded on : Date : 12/05/2020.						
4	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. **TMT bars Fe 500**						Tonne
		No	**L**	**Mtrs**	**Kg/m**	**Kgs**	
	CC Drain						
	Patel Pillegowda layout 2nd Main Road E/S 10 mm dia	1710	2.20	3762.00	0.62	2332.44	
	8 mm dia	18	188.00	3384.00	0.39	1319.76	
	Patel Pillegowda layout 2nd Main Road W/S 10 mm dia	1710	2.20	3762.00	0.62	2332.44	
	8 mm dia	18	188.10	3385.80	0.39	1320.46	
	Chamundeshwari Layout 6th Main 10 mm dia	1505	2.20	3311.00	0.62	2052.82	
	8 mm dia	18	179.50	3231.00	0.39	1260.09	
	Nanjappa Layout 2nd Cross 10 mm dia	636	2.20	1399.20	0.62	867.50	
	8 mm dia	18	75.20	1353.60	0.39	527.90	
	Nanjappa Layout 2nd Cross 10 mm dia	636	2.20	1399.20	0.62	867.50	
	8 mm dia	18	74.90	1348.20	0.39	525.80	
	Cross Road 10 mm dia	398	2.20	875.60	0.62	542.87	
	8 mm dia	18	46.50	837.00	0.39	326.43	
	Culvert						
	R. Chandrappa Layout 16 mm dia	50x2	4.00	400.00	1.58	632.00	
	12 mm dia	27x2	5.50	297.00	0.89	264.33	
	16 mm dia	52x2	4.00	416.00	1.58	657.28	
	12 mm dia	27x2	5.70	307.80	0.89	273.94	
	Patel Pillegowda layout 3rd Cross 16 mm dia	49x2	4.00	392.00	1.58	619.36	
	12 mm dia	27x2	5.40	291.60	0.89	259.52	
	Patel Pillegowda layout 4th Cross 16 mm dia	50x2	4.00	400.00	1.58	632.00	
	12 mm dia	27x2	5.50	297.00	0.89	264.33	
	Patel Pillegowda layout 5th Cross 16 mm dia	51x2	4.00	408.00	1.58	644.64	
	12 mm dia	27x2	5.60	302.40	0.89	269.14	
						18792.57	
						18.79	Tonne

Sunitha. N.K
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Sl No.	Description	No.	L	B	D	Qty	Rate
	Measurements Recarded on : Date : 12/05/2020						
5	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.						Sqm
	Side Wall						
	Patel Pillegowda layout 2nd Main Road E/S	4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	8.00		0.60	19.20	
	Patel Pillegowda layout 2nd Main Road W/S	4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	8.10		0.60	19.44	
	Chamundeswari Layout 6th Main Road	4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	29.50		0.60	70.80	
	Nanjappa Layout 2nd Cross R/S	4	30.00		0.60	72.00	
		4	30.00		0.60	72.00	
		4	15.20		0.60	36.48	
		4	30.00		0.75	90.00	
		4	30.00		0.75	90.00	
		4	14.90		0.75	44.70	
	Cross Road	4	30.00		0.60	72.00	
		4	16.50		0.60	39.60	
	Culverts						
	R. Chandrappa Layout	4	5.50		0.60	13.20	
		4	5.70		0.60	13.68	
	3rd Cross	4	5.40		0.60	12.96	
	4th Cross	4	5.50		0.60	13.20	
	5th Cross	4	5.60		0.60	13.44	
						1916.70	
						1903.80	Sqm

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